To: Charitta Burt



# Rec'd PCT/PTO



08 DEC 2005

Date: December 7, 2005

305-3230

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Fax Contains: 17 pages (including this sheet)	. If incomplete, call Vicki Andrews	at 858/350-233	4.
Message:			
Dear Charitta:			
Pursuant to our conversation yesterday, I am sen Requirements was received by the USPTO. Also to call me if you have any questions. I am hopeful assigned Application No. in a timely manner. Also IDS filed on April 22, 2005 is attached to the original these documents or if you will take care of getting	enclosed is all the paperwork that il that you and I will be able to straig o, I was on Private PAIR and notice nal Application No. 10/519,756. Ple	accompanied the ghten out this ended that our Prelimense let me kno	nat filing. Please feel free fror with respect to the minary Amendment and w if we need to re-file
Again, thanks for your assistance.	•		
Vicki Andrews			·
Assistant to Samir Elamrani, Ph.D.			

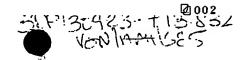
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Return Original to: Vicki A.

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Ref: 30923-713.832





OCT 2 1 2005

WILSON, SONSINI, GOODRICH & ROSATI

# DOCKETED

Title: Method for the Identification of Ligands		
Inventors/Applicant: BONE, Roger F. et al.		
Application Serial No: 10/519,757	Filing Date: December 3	0, 2004 (Int'l Filling Date: 07-23-03)
Type of Application:  Provisional  Original	CIF Continuation Divisional	Application under 35 USC 371
☐ Transmittal of Patent Application	☐ Pee Transmittal ☐ Filing Fee	□ Extension of Time fee \$ □ RCE fee \$ □ Issue fee/adv order \$ □ Other fee ① \$  □ Chapter II Demand/Fee Sheet □ Response-Invitation to Correct □ Article 19 Amendment □ Article 34 Amendment □ Response to Written Opinion
Express Mail Certificate No: <u>€V 517731590 US</u> First Class Mail     Authorization to Charge Deposit Account No. <u>23-2415</u>	Other: Transmittal letter under 35 USC  Postand referencing serial numb  Communication	
Attorney: Sanur Elamrani, Ph.D.	Date Mailed: October 4, 2005	

JC04 Rec'd PCT/PTO U4 CCC C CAT AZO05

#### EXPRESS MAIL: EV 517731590 US

Attorney Docket No.: 30923-713.832

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BONE, Roger F.

Art Unit: Not yet assigned

Application No. 10/519,757

Confirmation No.:

(PCT/US03/23247)

Examiner: Not yet assigned

Filed: July 23, 2003 (International)

For: Method for the Identification of

Ligands

# RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir.

In response to the Notification of Missing Requirements Under 35 U.S.C. 371 In The United States Designated/Elected Office (Do/Eo/US) dated August 4, 2005, Applicants submit the following documents for appropriate action by the U.S. patent and Trademark Office:

- Copy of the Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (Do/Eo/US);
- Original Declaration(s), executed by the inventor(s);
- Power of Attorney (with copy of Assignment);
- Transmittal Letter to the DO/EO/US Concerning a Filing Under 35 U.S.C. 371, including fee sheet and authorization to charge deposit account;
- Copy of stamped return postcard referencing serial number 10/519,756 mailed December 30, 2004; and

#### Return postcard

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee associated with this filing to our Deposit Account No. 23-2415 referencing docket number 30923-713.832. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefore are hereby authorized to be charged to our Deposit Account No. 23-2415 referencing docket number 30923-713.832. A duplicate copy of this Response is enclosed.

Respectfully, submitted,

Date: October 4, 2005

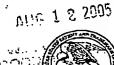
Samir Elamrani (Reg. No. 43,601)

WILSON SONSINI GOODRICH & ROSATI 650 Page Mill Road Palo Alto, CA 94304-1050 (650) 493-9300

#### Certificate of Mailing Under 37 C.F.R. §1.10

Express Mail label number <u>EV 517731590 US</u> Date of Deposit <u>10-04-2005</u> I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signed: Vicker andrews



April 7. ..



# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE UNITED STATES DEFARITMENT OF COMBIE United States Patent and Trudomark Office Address COMMISSIONER FOR PATENTS PO. Doc 1450 Alexandra Vincias 22313-1450 www.eaplugay

ATTY, LOCKET NO. FIRST NAMED APPLICANT U.S. APPLICATION NUMBER NO. 30923-713.832 Roger F Bone 10/519,757

INTERNATIONAL APPLICATION NO.

PCT/US03/23247

LA, FILING DATE PRIORITY DATE

07/23/2003

07/24/2002

21971 WILSON SONSINI GOODRICH & ROSATI 650 PAGE MILL ROAD PALO ALTO, CA 94304-1050

**CONFIRMATION NO. 3191** 371 FORMALITIES LETTER \*OC000000016698737\*

Date Mailed: 08/04/2005

# NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 12/30/2004
- Copy of the International Search Report filed on 12/30/2004
- Preliminary Amendments filed on 12/30/2004
- U.S. Basic National Fees filed on 12/30/2004

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR) 1.492(e)) is required.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

\$130 Late oath or declaration Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

ير را

Page 2 of 2

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice MUST be returned with the response.

#### CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. INCKET NO.
10/519.757	PCT/US03/23247	30923-713.832

FORM PCT/DO/EO/905 (371 Formalities Notice)



PTO-1390 (Rev. 02-2005) U.S. Patent and Trough 3/31/2007. OMB 0651-0021

llection of information unless it displays a valid OMB control number.

	Under the Paperwork Reduction Act of 199	5, no persons are required to respond to a C	ATTORNEY 'S DOCKET NUMBER
TF	RANSMITTAL LETTER TO T	HE UNITED STATES	30923-713.832
	DESIGNATED/FI ECTED OF	FFICE (DQ/EU/US)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
COI	NCERNING A SUBMISSION	UNDER 35 U.S.C. 371	10/519,757
	TIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED 24 July 2002
PCT/US	03/23247	23 July 2003	1 24 July 2002
TITLE OF	INVENTION for the Identification of Ligands		
APPLICAN	NT(S) FOR DOÆO/US		
BONE, F	Roger F., et al.	as Designated/Flacted Office (DO/E	EO/US) the following items and other information:
Applican	t herewith submits to the Office Size	amine a submission under 35 H S C. 3	71.
1.	This is a FIRST submission of items conc	aming a submission under to c.e.c.	Non under 35 U.S.C. 371.
2. 🛛	This is a SECOND or SUBSEQUENT sub	omission of items concerning a submiss	2749). The submission must include items
3.	This is an express request to begin natio (5), (6), (9) and (21) indicated below.	nal examination procedures (35 U.S.C.	371(f)). The submission must include items
_	The US has been elected (Article 31).		
5.	A copy of the International Application as		
_		y if not communicated by the Internation	nal Bureau).
	b. has been communicated by the		
•		on was filed in the United States Receiv	ring Office (RO/US).
<u> </u>	An English language translation of the Inf		
6.	U		
		under 35 U.S.C. 154(d)(4).	
			(35 U.S.C. 371(c)(3))
7.	Amendments to the daims of the Interna		
		only if not communicated by the Internat	(10) (10) (10)
	b.  have been communicated by the		
	c. have not been made; however	, the time limit for making such amendп	nents has NOT expired.
	d.  have not been made and will n		•
8. 🗆	An English language translation of the ar	mendments to the claims under PCT Art	ticle 19 (35 U.S.C. 371(c)(3)).
9. 🖾	An oath or declaration of the inventor(s)		
10.	An English language translation of the ar		Examination Report under PCT
1	Artide 36 (35 U.S.C. 371(c)(5)).		
Iten	ns 11 to 20 below concern document(s)		
11.	An Information Disclosure Statement und		
12.	An assignment document for recording.	A separate cover sheet in compliance w	with 37 CFR 3.28 and 3.31 is included.
13.	A preliminary amendment.	•	
14.	An Application Data Sheet under 37 CF	R 1.76.	
15.	A substitute specification.		•
16.	A power of attorney and/or change of ac	idress letter.	
	A computer-readable form of the sequer	nce listing in accordance with PCT Rule	13ter.2 and 37 CFR 1.821- 1.825.
17.	A second copy of the published Internat		
18.			
19. 🔲	A second copy of the English language		
1 20.	Other Items or information: Copy of No	tification of Missing Requirements and F	rewin rostcard

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete. USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete. USPTO. Time will very depending upon the individual case. Any comments on the amount including gethering information, preparing, and submitting the completed form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mall Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PYO-1390 (Rev. 02-2005) oved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no pursons are required to respond to a collection of Information unless it displays a valid OMB control number. ATTORNEY'S DOCKET NUMBER INTERNATIONAL APPLICATION NO. U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 30923-713.832 PCT/US03/23247 10/519,757 PTO USE ONLY CALCULATIONS The following fees are submitted: Basic national fee......\$300 21. Examination fee If International preliminary examination report prepared by USPTO and all aims satisfy provisions of S PCT Arlde 33(1)-(4) ......\$100 All other situations.....\$200 Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared and provided to the Office......\$400 All other situations.....\$500 \$ TOTAL OF 21, 22 and 23 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Number of each additional 50 or fraction RATE Extra sheets Total Sheets thereof (round up to a whole number) x \$250 \$ /50 = - 100 = Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest S claimed priority date (37 CFR 1.492(h)). RATE NUMBER EXTRA NUMBER FILED CLAIMS \$ X \$50 -20 **=** 26 6 Total daims \$ \$200 1 -3 = Independent daims 5 \$360 MULTIPLE DEPENDENT CLAIM(S) (if applicable) \$ **TOTAL OF ABOVE CALCULATIONS** \$ Applicant daims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. SUBTOTAL S Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$ 130.00 claimed priority date (37 CFR 1.492(i)). \$ Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied \$ by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED \$ 130.00 Amount to be \$ refunded: Amount to be \$ charged: A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed. a. Please charge my Deposit Account No. 23-2415 in the amount of \$ 130.00 to cover the above fees.  $\boxtimes$ h. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-2415. A duplicate copy of this sheet is enclosed. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: CUSTOMER NO. 021971 Samir Elamrani

REGISTRATION NUMBER

PTO/SB/15 (8-96)

Approved for use through 9/30/98. OMB 0651-0027

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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	ASSIGNMENT OF APPLICATION		Docket Number 30923-713.632
Whereas, the undersigned:			
<ol> <li>BONE, Roger F.</li> <li>797 Garfield Avenue Bridgewater, NJ 08807</li> </ol>	2. RENTZEPERIS, Dionisios 406 Carpenters Cove Lane Downington, PA 19335	3. ASKARI, Hossein 924 Rollway Square West Chester, PA 19 307 APP L £xton, PA	208 Charleston Drive Wilmington, DE 19808
hereinafter termed "Inventor	s", have invented certain new and useful imp	rovements in	
	METHOD FOR THE IDEN		NDS
or which a U	application for United States Patent was filed Inited States Patent issued on, U.S. Patent	No	
having a place of business a right, title and interest in and conceived, made or discover patents, inventor's certificate countries.	t 920 U.S. Route 202, Rantan, New Jersey of d to said application and the invention disclos- red jointly or severally by said Inventors (all- es and other forms of protection (hereinafter to	ed therein, and in and to all collectively hereinafter term ermed "patents") thereon gr	ranted in the United States and foreign
NOW, THEREFO	ORE, in consideration of good and valuable c	onsideration acknowledged	by said Inventors to have been received in full
application and said inventi Protection of Industrial Pro	on; (b) in and to all rights to apply for foreign perty or otherwise; (c) in and to any and all a	patents on said invention populations filed and any and each and every	the entire right, title and interest (a) in and to said pursuant to the International Convention for the d all patents granted on said invention in the patent granted on any application which is a and to each and every reissue or extensions of
enjoy to the fullest extent the shall include prompt production other papers, and other assist and interest herein conveyed additional applications covother priority proceedings in patents granted thereon, incontests, public use proceed providing such cooperation	ction of pertinent facts and documents, giving istance all to the extent documed necessary or each; (b) for prosecuting any of said application ering said invention; (d) for filing and prosectinvolving said invention; and (f) for legal problement without limitation reissues and reexail dings, infringement actions and court actions a shall be paid for by said Assignee.	the United States and foreigg of testimony, execution of desirable by said Assignee (s; (e) for filing and prosecuting applications for reissuccedings involving said said said said said said said said	petitions, oaths, specifications, declarations or (a) for perfecting in said Assignee the right, title ting substitute, divisional, continuing or tance of any said patents; (e) for interference or ention and any applications therefor and any edings, cancellation proceedings, priority to expense incurred by said Inventors in
3. The to representatives, and shall b	erms and covenants of this assignment shall it be binding upon said inventors, their respectiv	nure to the benefit of said A re heirs, legal representative	ussignee, its successors, assigns and other legal as and assigns.
assignment, contract, or un	Inventors hereby jointly and severally warranderstanding in conflict herewith.		
IN WITNESS V	VHEREOF, said Inventors have executed and	delivered this instrument to	o said Assignee as of the dates written below:
Date:	2205	Roger F. Bone	
Date: April 5	2005	Dianisios Rentzeperis	
		4.16	11.1.

Barry A. Springer

**PATENT** 

Attorney Docket No. 30923-713.832

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor(s): Roger F. Bone et al.

Application No.: 10/519,757

Filed: December 30, 2004

Title: Method for the Identification of Ligands

Description: PATENT APPLICATION

Art Unit: Not assigned

Examiner: Not assigned

December 30, 2004

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### LETTER

Dear Sir or Madame:

On December 30, 2004, Applicants submitted in the United States Patent and Trademark Office the papers necessary to enter National Phase for International Application No. PCT/US03/23247. The Office returned to Applicants' representatives a postcard stamped with Serial No. 10/519,756 (copy attached). However, on August 4, 2005, the Office issued the attached Notification of Missing Requirements which shows that the application was given Serial Number 10/519,757 (and not 10/519,756).

In response to telephonic inquiry, the Office indicated that the number shown on the Notification of Missing Requirements (i.e., 10/519,757) is the serial number assigned by the Office to the National phase application based on PCT/US03/23247. Accordingly, Applicants respectfully request that the attached copy of the postcard (marked with serial number 10/519,756) be corrected and returned to Applicants' representative.

If there are any questions regarding this letter, Applicants respectfully request that the Office contact Applicant's representative at (858) 350-2337.

Respectfully submitted,

WILSON SONSINI GOODRICH & ROSATI

Samir Elamrani, Reg. No. 43,601

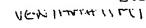
650 Page Mill Road

Palo Alto, CA 94304-1050

(650) 493-9300

Customer No. 021971

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JAN 2 0 2005

WILSON, SONSINI, GOODRICH & ROSATI

Title: METHOD FOR THE IDENTIFICATION  Inventors/Applicant: BONE, Roger F. et al.  Application Serial No: PCT/US2003/023247	0F LIGANDS DT07 Rec'd F	PET/PTO 3 0 DEC 2004
Type of Application: Provisional Original  Transmittal of Patent Application  Specification and Abstract Pages  Drawings Pages  Missing Parts of Application Transminal  Declaration/Oath Decl/Power of Any  Power of Automey Pro-1595  PCT International Applin Request Form Pages  PCT International Applin Request Form Pages  Assignment application Pages  Drawings Pages  Drawings Pages  Drawings Pages  Abstract Pages  Drawings Pages  First Class Mail  Authorization to Charge Deposit Account No. 23-2415  Dorney Docket No. 30923-713,837  Omey: A. Haddget / se	Continuation   Divisional	
	Date Mailed: December 30, 2004 his Postcard to Confirm Receipt of the Above	